**LAB-3**

For the course work CSE-5306 Lab-3, I’ve submitted the zip file “aggarwal\_ska9578” which contains all the java files required to run this project.

-Import DSAssignment3 project in Eclipse IDE.

-Build Project

-Create a directory called Lab3 on anywhere in your laptop and update the path for directory in Server.java

-Run Server.java and Run Client.java three times once for every client you want to connect.

-Client 1 is connected

A screenshot of a social media post

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-Client 2 is connected.

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-Client 3 is connected

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-On Lab3 folder three files are present.

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-Copy the test file in “1”.

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-Same file is automatically stored in “2” and “3” respectively.

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* If we modify the file in any of the client directory it will be modified in other client’s directory as well.
* When we delete the file from “1” then it will ask on console for commit and abort operation on another clients “2” and “3” resp.

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-File is also deleted from “2” and “3” client.

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-If we will press “0” i.e. abort when console ask for deletion operation the file will not be deleted from any of the clients and it will be reverted back on the client 1 also.

**REFRENCES**

* <https://www.geeksforgeeks.org/introducing-threads-socket-programming-java/>
* <https://github.com/omkar9999/FileWatcherHandler/>
* <https://www.codejava.net/java-se/file-io/file-change-notification-example-with-watch-service-api>
* <https://www.java67.com/2016/09/how-to-copy-file-from-one-location-to-another-in-java.html>